Comparisons of Job Characteristics

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Rail Car Repairers (49-3043)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Rail Car Repairers (49-3043)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	14.0	19.8	>>	Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	10.0	8.9	<	Expanded education and/or training may be required
Design	5.2	4.6	9.1	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 32

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Rail Car Repairers (49-3043)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Repairing	3.4	12.0	10.0	<	A higher skill level may be required
Troubleshooting	4.5	11.5	10.4	<	A higher skill level may be required
Equipment Maintenance	3.5	10.6	10.1	0	Current skill level may be sufficient
Operation and Control	5.4	10.0	8.5	<	A higher skill level may be required
Operation Monitoring	6.6	9.8	10.1	0	Current skill level may be sufficient
Quality Control Analysis	5.9	9.6	11.6	>	Skill level is likely sufficient
Equipment Selection	3.3	6.2	7.5	>	Skill level is likely sufficient
Installation	1.7	5.6	3.4	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 33

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Rail Car Repairers (49-3043)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Arm-Hand Steadiness	6.8	12.3	8.7	<<	Extensive improvement in abilities may be required
Control Precision	6.6	12.3	9.1	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.3	9.0	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.0	7.7	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	11.8	5.3	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.5	9.2	<	Some improvement in abilities may be required
Static Strength	5.0	11.5	6.3	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	11.4	6.2	<<	Extensive improvement in abilities may be required
Stamina	4.0	9.0	5.1	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	8.8	5.2	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.3	3.8	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	7.6	5.8	<	Some improvement in abilities may be required
Sound Localization	2.2	5.8	6.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common — Similarity of Focus Occupation to Associated Occupation: 65

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Rail Car Repairers (49-3043)

Work Activities	Exclusivity of Activity
Determine installation, service, or repair needed	58
Diagnose mechanical problems in machinery or equipment	65
Inspect machinery or equipment to determine adjustments or repairs needed	42
Read blueprints	10

Read specifications	23
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Rail Car Repairers (49-3043)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.